



ESSD BULLETIN

FEBRUARY 2007

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www.michigan.gov/deq, select News
& Events, Bulletins & Newsletters,
Environmental Listserver Subscriptions
and follow the directions.

2006 ECAP Annual Report Now Available

We are pleased to announce the
Department of Environmental
Quality's (DEQ's) "**Environmental
Compliance Assistance Program 2006
Annual Report.**" This report highlights
a number of services and
accomplishments of our Environmental
Compliance Assistance Program (ECAP)
located in the Environmental Science
and Services Division (ESSD).



The ECAP is the combined efforts of the Education and Outreach Unit and
the Compliance Assistance Unit. Under this new program name, the ECAP
is available to provide assistance to Michigan businesses, industries, local
units of government and the general public on a wide array of
environmental programs and regulations. Through environmental
workshops and conferences, plain English publications or direct one-on-
one telephone assistance, the ECAP staff is available to help you with your
environmental questions. Staff can be reached through the
Environmental Assistance Center at 800-662-9278.

The report can be accessed on the Michigan Department of
Environmental Quality's web site at [www.michigan.gov/documents/deq/
deq-ess-ecap-annualreport_186163_7.pdf](http://www.michigan.gov/documents/deq/deq-ess-ecap-annualreport_186163_7.pdf). We hope you will enjoy
learning more about the programs and services that ECAP offers.

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Revised Clean Corporate Citizen (C3) Rules Now in Effect

The long awaited C3 rules revisions are now final and went into effect on December 1, 2006. The revisions were designed to strengthen the overall criteria for participation in the C3 Program as well as clarify some of the technical areas of the rules, which had been open to different interpretations in the past. Other major changes include: inclusion of applicable federal environmental requirements into the compliance criteria, additional provisions for C3 termination, and changes to the C3 renewal cycle from annually to once every 2 or 3 years depending on ISO 14001 certification.

A complete set of the newly revised C3 rules can be found at:

www.michigan.gov/deqc3. Questions on the C3 rules can be directed to **Steve Holmi** at **517-373-1323** or **Kelie Bond** at **517-241-7969**.

Upcoming Hazardous Waste User Fees Mailing

The DEQ Waste and Hazardous Materials Division will be mailing the annual invoice packets for the hazardous waste handler and manifest processing user charges to waste handlers in early February. The billing will include the manifest processing and handler user charges. The generator user charge is invoiced at the highest generator status the facility had on file during the calendar year. For example:

1. If the company was a large quantity generator until March and re-notified as a small quantity generator, they will be billed as a large quantity generator for the 2006 activity.
2. If the company is normally a small quantity generator but had a one time cleanup that made them a large quantity generator for one month, they will be billed as a large quantity generator for the year.

Information about user charges can be found at **www.michigan.gov/deqwaste**. The payment due date is April 30, 2007.

Facilities that have not received an invoice package by mid-March, or have questions about differences in facility records compared to the DEQ records, should e-mail **DEQ-HWUSERCHARGES@michigan.gov** or call the **DEQ User Charge Line**, WHMD, at **517-335-5318**.

For questions about other waste requirements, contact your **DEQ district office**, the **Environmental Assistance Center** at **800-662-9278** or E-mail your question to **deq-ead-env-assist@michigan.gov**. Additional waste information is also available at above Internet address.

Assistance for Emergency Responders Preparing for Transportation Accidents

There's a new resource to help community emergency responders prepare for, and respond to, a possible transportation incident involving hazardous and radioactive material. It is available from a partnership between TRANSCAER® (Transportation Community Awareness and Emergency Response) and the U.S. Department of Energy's (DOE) Environmental Management Office of Transportation. TRANSCAER® is sponsored by the American Chemistry Council, Association of American Railroads, Chemical Educational Foundation, CHEMTREC®, Chlorine Institute, Inc., and National Tank Truck Carriers, Inc. Access the TRANSCAER website at www.transcaer.org/public/home.cfm for guidance documents, planning drills and exercises, planning flow studies, training and more information.

New Compliance Resource When Importing or Exporting Materials or Hazardous Wastes

EPA has a new web-based EPA-sponsored Compliance Assistance Center (www.assistancecenters.net) for help in complying with environmental laws when shipping regulated materials across borders. The Border Center's new import-export issues website at www.bordercenter.org/chem/index.cfm provides information for importing and exporting a variety of chemicals, including toxic substances and hazardous waste. The site also has information on existing international agreements and regulations and includes a news section to keep buyers, sellers, and transporters aware of the latest developments.

For more information, contact the Border Center Director, **Paul Chalmer** at paulc@ncms.org.

Scrap Tire Program Improvements

A package of eleven bills amending Part 169, Scrap Tires, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, was signed into law by Governor Granholm on December 29, 2006. The changes reduce regulatory burdens and encourage the productive use and management of scrap tires, support the public interest, and provide for the continued success of the Scrap Tire Program.

One of the changes facilitates processing of scrap tires into high value materials by creating a new category of scrap tires designated as a "commodity." Material qualifying as a commodity is largely exempt from regulation as a scrap tire. Furthermore, the new law allows a person to arrange removal with a person hauling only a commodity (in addition to a registered scrap tire or solid waste hauler) and exempts commodity storage areas (up to one acre in size) that meet certain storage and use requirements from the requirement for a performance bond.



In addition to some administrative changes, other major changes include:

- Allowing the Scrap Tire Regulatory Fund to now be used for enhanced grants supporting the development of markets for scrap tires by funding up to 50 percent of the cost of purchasing equipment or for research and development.
- Providing the local fire chief the authority to determine that collection site access roads do not meet the requirement to be accessible at all times to emergency vehicles.
- Prohibiting scrap tires from being placed in open spaces between piles or being used to create on-site roads (an exception was created for scrap tires that are a commodity).
- Simplifying the manifest requirements by allowing for the use of a consolidated load manifest for certain loads of scrap tires.
- Requiring a person who owns a portable shredding operation to register with the Department of Environmental Quality (DEQ) as a collection site.
- Exempting retreaders from hauler registration requirements but establishes record-keeping requirements for retreaders.
- Allowing the DEQ to enter and inspect a tire retail establishment, a vehicle owned or operated by a scrap tire hauler for transporting scrap tires, or a collection site or other place where scrap tires are present to enforce and administer Part 169.
- Providing for a lien in favor of the State upon a collection site that received grant money that provided for cleanup activities for tires accumulated after January 1, 1991, and allows the Attorney General to seek additional liens to cover cleanup costs.
- Adding a requirement for the DEQ to report every three years on the effectiveness of Part 169 in encouraging reuse and ensuring safe storage of scrap tires.
- Requiring the DEQ Director to appoint a Scrap Tire Advisory Committee to advise the DEQ on the implementation of Part 169.
- Extending the sunset on program funding until 2012.

For more information please go to www.michigan.gov/deq (Click on "Waste," then "Scrap Tires"). Additional questions can be directed to **Rhonda Oyer Zimmerman** at **517-373-4750** or by E-mail at oyerr@michigan.gov.

New Web Site Resource for Metal Information

The Great Lakes Regional Pollution Prevention Roundtable introduced a new Industrial Ecology of Metals Forum at www.glrppr.org/iem. It includes two web-based dynamic and interactive compendia of data: one containing the concentrations of metals found in various high volume materials, and the other containing the flow rate information for high-volume materials in various industry sectors. A discussion group focused on building and maintaining the compendia completes the Forum. When you join the discussion group you can suggest additions to the compendia and make comments on specific entries.

There is information in their Concentration Compendium for the following metals which may be useful when doing a waste characterization:

- | | | |
|-------------|-----------|------------|
| · Antimony | · Arsenic | · Barium |
| · Beryllium | · Cadmium | · Chromium |
| · Copper | · Iron | · Lead |
| · Manganese | · Mercury | · Nickel |
| · Selenium | · Silver | · Thallium |
| · Zinc | | |

MAir Data Available On-line



MAir is a public service air quality webpage that displays:

- air quality forecasts,
- the current Air Quality Index (AQI),
- continuous air monitor data
- animated ozone and fine particle maps

MAir data is available by clicking the icon at www.michigan.gov/deqair. It provides current air information featuring the following seven categories:

AQI forecast and current conditions. The AQI is a health indicator, a tool useful in making decisions about daily activities. Six, color-coded categories range from good to hazardous air. Michigan's air is generally in the good or moderate range, but occasionally reaches the "orange" level which is unhealthy for sensitive groups. Rarely does air reach the "red" unhealthy for everyone level. The forecast AQI provides information that help citizens make informed choices when air quality is poor. Air quality forecasts are available for 75 Michigan counties. The real-time AQI is calculated using hourly concentrations from continuous air monitors. (NOTE: The AQI must not be confused with NAAQS that determine an area's compliance with provisions set forth in the federal CAA.)

Action! Days are called when poor air quality is anticipated. Residents are encouraged to "take action" to reduce air pollution emissions and to protect their health by reducing physical exertion if air pollution levels become elevated. Formal "Ozone Action!" programs are promoted by the Clean Air Coalitions in West and Southeast Michigan. Because these coalitions are locally driven, they receive broad support from community members.

Air Quality Notifications are made via **EnviroFlash**, a partnership between DEQ and EPA. Those who sign-up receive automated messages about air quality via e-mail and/or cell phone text messages. People choose the AQI level at which they want to be notified (most pick "orange"). EnviroFlash notifications represent "heads-up" forecasts and have the potential to reach 98% of Michigan's population.

Monitoring Data displays hourly air quality and meteorological measurements from each monitor site. Data are reported in end-hour local time. Data are graphed and can be viewed in near real-time. Past air data is available by selecting from options

at the top of the page. Note that ozone is seasonal, data is collected from April through September.

Ozone Maps. During the ozone season, the current day 8-hour average ozone concentration is reported as an average of the previous eight hourly values. Current day data is reported in end-hour local time. Past day's data are reported in begin-hour standard time. The choice to animate the data is available.

PM Maps. The current 24-hour average PM_{2.5} concentrations are reported as an average of the previous 24 hourly values. Current data are reported in end-hour local time. Past data are midnight-to-midnight averages to align with NAAQS reporting methodologies.

Links. The link page includes helpful DEQ information, Regional links, EPA links, and more.

Compliance Assistance Corner

Question: What online resources are available to realtors and the general public interested in locating potentially contaminated or listed contaminated sites?

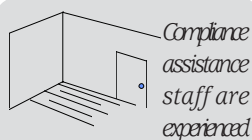
Answer: The DEQ has a number of resources/databases available that list known sites of contamination. There is a link to these databases, under the heading called "Online Services", which is located in the gray banner at the top of all DEQ webpage's.

"Online Services" lists most of the DEQ databases that are available to the public. However, the user will still need to know which of the databases are pertinent to searching for listed or potentially contaminated property.

Brownfield-UST Field Site Directory has information on potential redevelopment properties in Michigan. There are 1133 sites listed as of January 2007. Included in the database are both Sites of General Contamination (Part 201) and Leaking Underground Storage Tanks (Part 213 sites). Site summaries and photographs can be accessed for properties that have a blue font in the appropriate fields. **Note:** Definitions of column headings can be displayed by placing your cursor over the column heading in the search results

Fish Contaminant Monitoring Program can help the potential lake front property owner find out about the water quality of the lakes in the area. The webpage has links to DEQ's Water Quality Monitoring pages and the 'Fish Advisory' page. The water quality monitoring page gives the user access to assessments of Michigan's water, inland lakes monitoring and beach water monitoring.

Leaking Underground Storage Tank Sites (LUSTs) contains information on UST's that have been verified to have leaked. The webpage provides a detailed definition of 'open' or 'closed' release. For a complete list of LUST sites, the user will need to



Compliance assistance staff are experienced department personnel in ESSD that specialize in another environmental program division. Staff provide one-on-one and referral assistance on calls received by the Environmental Assistance Center. If you have any environmental question on which you need assistance, call 1-800-662-9278.

search the database by both the 'open' and 'closed' release buttons. The user does not need to know the complete address for the facility and can use a '%' as a wild card. If the correct spelling of the street name is not known, the name can be abbreviated and the '%' used. For example, if the user can not spell "Lafayette", the following syntax could be used, "111 Laf%". For accurate results, the user should type in the city and county name. The LUST information may not be entirely accurate and should be verified by calling the local DEQ District office or the Environmental Assistance Center.

Michigan Online Gas and Oil System allows the public user to search for selected oil, gas and underwater injection control data from the division's databases. This includes basic well, production, disposition, injection, and inspection information. It also allows for the user to export query results.

Part 201 Site Search database contains information on verified sites of general contamination (contaminated barrel storage areas, spill sites, etc.). The recommended way to search the database is to select the county name from the dropdown menu or type the city name in the provided box and then click the 'submit' button.

Superfund Project Assignment Directory contains information on locations where there is uncontrolled or abandoned hazardous waste sites as well as where accidents, spills and other emergency releases of pollutants and contaminants have occurred into the environment. The Superfund Program involves a state/federal partnership to cleanup some of the most complex and controversial sites in Michigan. The U.S. Environmental Protection Agency Region 5 (USEPA) has primary responsibility. The USEPA is obligated to consider and apply state and federal environmental laws, standards, technical comments, and community concerns when making cleanup decisions.

Underground Storage Tank List (USTs) contains information about facilities with registered UST's or where abandoned UST's have been found. The webpage provides a detailed definition of an 'active' or 'closed' facility. For a complete list of UST sites, the user will need to search the database by both the 'active' and 'closed' buttons. The UST information may not be entirely accurate and should be verified by calling the local DEQ District office or the Environmental Assistance Center.

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs. WDS can provide information on ownership and operation of the facility; the status of any required permits, licenses, registrations, or certifications; compliance status; authorized transporters; shipments of hazardous or liquid industrial waste (manifest); and user fees.

Windows to My Environment (WME) is a powerful web-based tool that provides a wide range of federal, state, and local information about environmental conditions and features in an area of your choice. This tool is provided by USEPA in partnership with federal, state and local government and other organizations;

www.epa.gov/enviro/wme/.

A complete listing of publications available from the ESSD is located on the Internet at www.deq.state.mi.us/pubcenter or a copy can be requested through the Environmental Assistance Center by calling 800-662-9278, or through E-mail at deq-ead-env-assist@michigan.gov.

For more information on locating potentially contaminated or listed contaminated sites, visit www.michigan.gov/deq, click the 'Online Services' link below the DEQ title bar at the top of the webpage or call the Environmental Assistance Center at 800-662-9278.

New Publications

Food Processing Industry – Gerber Products Company – New Case Study
www.michigan.gov/documents/deq/deq-ess-p2-gerbercs_181971_7.pdf

Gerber Products Company of Fremont, Michigan, is one of the most internationally recognized processors of baby food. This case study shows their flexibility to the ever changing environmental challenges, as well as their exploration of new and innovative ways to reduce their environmental footprint; highlighting Water Use – Challenges & Solutions and Sustainable Packaging. As a leader in the food processing industry in Michigan and the world, Gerber Products is demonstrating sustainable business practices in our local and global community.

DVD/CD on Emerald Ash Borer Now Available

EAST LANSING, Mich. — A new DVD/CD package with information and educational resources on emerald ash borer (EAB), called “Emerald Ash Borer — What You Need to Know,” is now available from Michigan State University (MSU).

As EAB is discovered in more states in the Midwest, information and education on the pest are critical for municipalities and homeowners to make informed decisions on how to handle EAB infestations. The DVD contains information on:

- * Ash tree ID.
- * Emerald ash borer larvae and beetle ID.
- * Signs and symptoms of EAB infestation.
- * Communicating to the public about EAB.
- * Working with the media.
- * EAB regulatory information
- * Overview of pertinent EAB research.
- * Importance of ash trees to Native American tribes in North America.

The accompanying CD contains these EAB resources:

- * Bulletins.
- * PSAs.
- * Sources for documents and other EAB resources.

This DVD/CD package on EAB would be of particular interest to those working with local units of government; schools; civic, environmental and natural resources organizations; those in the tree care or nursery and landscape industry; or any group concerned about the pest. Information and educational resources from Purdue University, the Ohio State University, the U.S. Department of Agriculture

Animal and Plant Health Inspection Service (USDA-APHIS), the Michigan and Ohio departments of Agriculture and the Wisconsin Department of Natural Resources were also contributed.

To purchase, please contact the **MSU Bulletin Office** at **517-353-6740** and request DVD-024, "Emerald Ash Borer - What You Need to Know." The DVD/CD package retails for \$24.95 plus shipping and handling.

EAB (*Agrilus planipennis* Fairmaire) is an exotic beetle that was discovered in southeastern Michigan near Detroit in the summer of 2002. It probably arrived in the United States on solid wood packing material carried in cargo ships or airplanes originating in its native Asia. It is also established in Windsor, Ontario, and was found in Ohio in 2003, northern Indiana in 2004 and northern Illinois in 2006. It has killed more than 20 million ash trees and has the potential to kill all ash trees in North America.

Funding for this resource came from Project GREEN (Generating Research and Extension to meet Economic and Environmental Needs) at MSU, the state's plant agriculture initiative. Founded in 1997, Project GREEN is a cooperative effort between plant-based commodities and businesses together with the Michigan Agricultural Experiment Station, Michigan State University Extension and the Michigan Department of Agriculture to advance Michigan's economy through its plant-based agriculture. Its mission is to develop research and educational programs in response to industry needs, ensure and improve food safety, and protect and preserve the quality of the environment.

To learn more about Michigan's plant agriculture initiative at Michigan State University, visit www.green.msu.edu.

2007 Michigan Agri-Energy Conference will Discuss Future Energy Needs

Renewable energy sources such as biomass, wind, and solar, are generating a great deal of interest in the United States. The 2007 Michigan Agri-Energy Conference will highlight renewable energy, while identifying market barriers, the economics of renewable energy, and examining case studies and success stories. This two-day conference will take place at the Holiday Inn South, Lansing, Michigan on March 13-14, 2007.

This is your chance to join other farmers, service providers, rural and agricultural leaders, researchers, and state policy makers to learn about ways you can improve your bottom line by capitalizing on the potential of renewable sources like wind and solar, biomass, biofuels and bioproducts.

Kicking off this year's event is a keynote address titled "A Perspective on Future Energy Trends for the United States" given by Michael Schaal, Director of Energy

Information Administration in the United States Department of Energy. This will be followed by breakout sessions hosted by technical experts in the fields of renewable energy, energy efficiency, and environmental regulations. Day One will end with a networking reception and an additional opportunity to view the exhibit area, which will feature the latest products and services in the renewable energy arena, as well as informational booths on current research and development from various universities and institutes.

Day Two will start off with a keynote address titled "21st Century Energy Plan Report" given by Peter Lark, Chairman of the Michigan Public Service Commission. This will be followed by more breakout sessions and a grant-writing workshop to learn tips for securing Farm Bill, Section 9006 grant dollars.

If you are an agriculture and energy innovator wanting to explore new ways of saving and generating on-farm dollars, this is the place to be. Attend the 2007 Michigan Agri-Energy Conference to learn about the latest methods, tools, and attitudes that will lead your business toward economic and ecological success!

To register online, go to www.michigan.gov/deqworkshops and click on "Upcoming DEQ Workshops." For registration information, contact: **Environmental Assistance Center, 800-662-9278**, or Email at deq-ead-env-assist@michigan.gov. For content information, contact: **Terri Novak**, Environmental Science and Services Division, **517-930-3170**, or E-mail at novaktl@michigan.gov.

Events

FEBRUARY 2007

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2007 INTRODUCTION TO MAERS WORKSHOP (MICHIGAN AIR EMISSIONS REPORTING SYSTEMS), VARIOUS LOCATIONS, MICHIGAN. The 2007 Introduction to MAERS Workshop takes participants step by step through the new MAERS version 2006.0.0 software on computers. This hands-on training is designed for those who are **new to MAERS** or those who need more comprehensive training on the concepts and software. Workshop participants will learn MAERS software basics, how to complete the electronic forms and submit your report to DEQ, and how to avoid common mistakes encountered when completing and submitting your MAERS report. Workshop attendees will receive the "MAERS Workbook" and other guidance materials. If you plan on attending the Lansing session, you are encouraged to bring your laptop as only a limited number of computers will be available at that site. Registration fee: \$75. A full brochure and online registration form are available on the Web at www.michigan.gov/deqworkshops, click on "Upcoming Workshops." Registration Information: **Environmental Assistance Center, 800-662-9278**, or E-mail at deq-ead-env-assist@michigan.gov. Information Contact: **Jim Ostrowski**, Environmental Science and Services Division, **517-241-8057**, or E-mail at ostrowsj@michigan.gov.

<u>Date</u>	<u>Location</u>
2/2/07 – AM Session ONLY	MTEC at Kirtland-Gaylord, Gaylord
2/8/07 – AM and PM Sessions	Kent ISD, Grand Rapids (Both sessions closed)
2/13/07 – AM and PM Sessions	VisTaTech at Schoolcraft College, Livonia
2/20/07 – AM Session ONLY	Lansing Community College, West Campus, Lansing*

* For the Lansing workshop, registrants are encouraged to bring their own laptops.

FEBRUARY 6-7, 2007

AWWA/MWEA JOINT EXPO 2007, LANSING CENTER, LANSING, MICHIGAN.

Cosponsored by the Michigan Section, AWWA and the Michigan Water Environment Association, JOINT EXPO is an exposition for equipment suppliers, manufacturers, and consulting engineers who want an effective method to exhibit their products and services to water and wastewater professionals. Any company or organization which manufactures and/or provides products or services to the water and wastewater industries is eligible to exhibit. There is no pre-registration fee for attendance so water and wastewater utilities will be encouraged to send several representatives. For additional information or questions regarding Expo, go to **www.mi-water.org** or contact **Matt Tomlinson**, Environmental Science and Services Division, **517-241-8913**, or E-mail at **tomlinsm@michigan.gov**.

FEBRUARY 7, 2007

8:00 a.m. – 12:00 p.m.

12TH ANNUAL HAZARDOUS WASTE MANAGEMENT WORKSHOP, GRAND VALLEY STATE UNIVERSITY, GRAND RAPIDS, MICHIGAN. This workshop is for those who are new to the field of hazardous waste management or for those who desire a review of hazardous waste regulations and compliance issues. Registration fee is \$30. For further information or to confirm your registration for the workshop, contact **Janet Vail**, Grand Valley State University, **616-331-3048**, or E-mail at **vailj@gvsu.edu**.

FEBRUARY 12, 2007

WATERSHED-BASED PLANNING: HOW TO DEVELOP PLANS THAT MEET FEDERAL AND STATE REQUIREMENTS, COMFORT INN & CONFERENCE CENTER, MT. PLEASANT, MICHIGAN.

The importance of basin-wide management has been underlined by recent guidance from the U.S. Environmental Protection Agency (EPA) and the Michigan Department of Environmental Quality (DEQ) which calls for watershed-based plans for all projects supported by competitive funding from the Clean Water Act Section 319 program. This workshop will examine the watershed planning process and the product, focusing on how EPA's Nine Minimum Elements fit into the overall watershed planning process. This workshop is intended for watershed group members and managers, public agency staff, planners, consultants, and others active in the water resources planning field. A full brochure is available on the Web at **www.michigan.gov/deqworkshops**, click on "Upcoming DEQ Workshops." We have reached capacity for this workshop, and registration has been closed. Registration Information Contact: **Environmental Assistance Center**, **800-662-9278**, or E-mail at **deq-ead-env-assist@michigan.gov**. Information Contact: **Bob Sweet**, Environmental Science and Services Division, **517-335-6967**, or E-mail at **sweetr@michigan.gov**.

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CONSTRUCTION WASTE RECYCLING DISCUSSIONS, VARIOUS LOCATIONS, MICHIGAN. The interest in recycling construction waste is growing faster than the known resources. Do you have resources to market? Are there problems recycling some waste types? Do you have ideas on what should be done to improve recycling of construction wastes? The Michigan Department of Environmental Quality is setting up town hall-type brainstorming sessions aimed at developing resources for recycling construction waste. Share your success stories and resources on what works or complaints about what doesn't and needs improvement. Please RSVP so there are adequate handouts available. Information Contact: **Maggie Fields**, Environmental Science and Services Division, **517-335-6250**, or E-mail at **fieldsm@michigan.gov**.

Date**Location**

2/14/07

Grand Rapids – Home & Building Association

2/28/07

East Lansing – Michigan State University, Brody Hall, Room 144D

3/6/07

Lake City – Missaukee Conservation District (1 hour overview only)

**FEBRUARY
2007**

FEBRUARY 21-25, 2007

MICHIGAN UNITED CONSERVATION CLUBS (MUCC), OUTDOORAMA 2007, ROCK FINANCIAL SHOWPLACE, NOVI. The Michigan Department of Environmental Quality (DEQ) is exhibiting to display departmental information at this annual event. Information Contact: **Thomas Occhipinti**, DEQ Executive Division, **517-373-2379**, or E-mail at **occhipit@michigan.gov**. General information about Outdoorama 2007 is available on the Web at **www.mucc.org/rama**.

**FEBRUARY
2007**

FEBRUARY 28 – MARCH 1, 2007

BIOSOLIDS CONFERENCE - FORMULAS FOR SUCCESS, MCCAMLY PLAZA HOTEL, BATTLE CREEK, MICHIGAN. Biosolids are the nutrient-rich resources derived from the treatment of wastewater. There are a variety of beneficial applications that exist for biosolids reuse. This seminar will address what wastewater supervisors, managers, process operators, engineers, or regulators need to know about what options are available. Topics covered include regulatory update, news from the field, biosolids industry challenges, energy production, new technologies, and politics. For more information, call the **MWEA** office at **517-641-7377**, or go to **www.mi-wea.org**.

MARCH 2007

MARCH 1, 2007

CERTIFIED HAZARDOUS MATERIALS MANAGERS OF MICHIGAN 2007 ANNUAL CONFERENCE, YAZAKI LEARNING CENTER, CANTON, MICHIGAN. The Certified Hazardous Materials Managers of Michigan (CHMM-MI) will hold its annual conference at the Yazaki Learning Center, 6300 Haggerty Road, Canton, Michigan. Registration begins at 7:00 am, when a continental breakfast will be available. The program begins at 8:00 am with a plenary session. Scheduled speakers include George Bruchmann of the Michigan Department of Environmental Quality and Harry Kemp of the Academy of Certified Hazardous Materials Managers. The plenary session is followed by parallel environmental and safety sessions. Scheduled speakers for the environmental session include Bryan Dayton and Bob Crump of Earthtech, Mike Alexander of the Michigan Department of Environmental Quality, James Harless of Soil and Materials Engineers, Kim Alfonsi of Pfizer, and Ken Gembel of General

Motors. Scheduled speakers for the safety session include Ray Kelly of DTE Energy, Mark Serin of Pfizer, Charlie McGlothlin of Oakland University, and Bob West of R.A. West Associates. Registration is \$95 for CHMM-MI members, \$125 for non-members (includes 2007 membership), and \$45 for full-time students and includes breakfast, lunch, snacks, and conference materials. Registration after February 23 will require a \$20 surcharge and is subject to availability. Register online at www.chmm-mi.org. Information Contact: **Dr. William V. Lipton**, Certified Hazardous Materials Managers of Michigan, **734-586-1678**.

MARCH 13-14, 2007

MICHIGAN AGRI-ENERGY CONFERENCE 2007, HOLIDAY INN SOUTH, LANSING, MICHIGAN. Join farmers, service providers, rural and agricultural leaders, researchers, and state policy makers to learn more about the latest trends in renewable energy solutions at the 2007 Michigan Agri Energy Conference. National and local experts will reveal ways you can improve your bottom line by capitalizing on the potential of renewable sources like wind and solar, biomass, biofuels and bioproducts. A full brochure and online registration are available on the Web at www.michigan.gov/deqworkshops, click on "Upcoming DEQ Workshops." Registration Information Contact: **Environmental Assistance Center, 800-662-9278**, or E-mail at deq-ead-env-assist@michigan.gov. Information Contact: **Terri Novak**, Environmental Science and Services Division, **517-930-3170**, or E-mail at novaktl@michigan.gov.

MARCH 15-16, 2007

MICHIGAN SCIENCE TEACHERS ASSOCIATION 54TH ANNUAL CONFERENCE, SCIENCE OUT OF THE BOX, AMWAY GRAND HOTEL AND DEVOS CENTER, GRAND RAPIDS. The Michigan Department of Environmental Quality (DEQ) is holding five pre-conference Michigan Environmental Education Curriculum Support (MEECS) training workshops on March 15, 2007. Registration is available on the Web at www.michigan.gov/deqworkshops. To register for the pre-conference trainings, click on "Upcoming DEQ Workshops." Registration Fee: \$25. The DEQ is also holding an overview informational session on the MEECS curriculum during the conference on March 16, 2007. Throughout the conference, the DEQ is exhibiting to display MEECS general information. Information Contact: **Thomas Occhipinti**, DEQ Executive Division, **517-373-2379**, or E-mail at occhipit@michigan.gov. General conference information is available on the Web at www.msta-mich.org/conference. Registration for the MSTA conference is available on the Web at www.msta-mich.org/conference/registration.php.

APRIL 25, 2007

FEDERAL FACILITIES ENVIRONMENTAL WORKSHOP, NEXTENERGY CENTER, DETROIT. The workshop will feature staff from the Michigan Department of Environmental Quality, U.S. Environmental Protection Agency Region 5 and the Department of Defense who will present a variety of topics relating to alternative and renewable energy, including energy efficiency and biofuels. This workshop is recommended for environmental staff of Department of Defense facilities in Michigan and the Great Lakes region who have an interest in energy-related issues pertaining to Executive Order 13123, "Greening the Government through Efficient

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Energy Management.” Department of Defense contractors, energy suppliers, manufacturers, and vendors, as well as other federal facility staff will benefit from this workshop and are encouraged to attend. A full brochure and online registration will be available on the Web by late February at www.michigan.gov/deqworkshops, click on “Upcoming DEQ Workshops.” Workshop Information Contact: **Steve Kulesia**, Environmental Science and Services Division, **517-373-3109**, or E-mail at kulesias@michigan.gov. Registration Information: **Environmental Assistance Center**, **800-662-9278**, or E-mail at deq-ead-env-assist@michigan.gov.

APRIL 2007

APRIL 25, 2007

2007 MICHIGAN SUSTAINABLE BUSINESS FORUM STATEWIDE CONFERENCE: REVITALIZING MICHIGAN THROUGH SUSTAINABLE BUSINESS INNOVATIONS, HANNAH COMMUNITY CENTER, EAST LANSING. This one-day conference will bring Michigan CEO’s and executive management representatives together with members from the five regional sustainable business forums to identify opportunities to accelerate development of a state sustainable business strategy. A full brochure and online registration are available on the Web at www.michigan.gov/deqworkshops, click on “Upcoming DEQ Workshops.” Registration fee is \$125. Registration Information: **Environmental Assistance Center**, **800-662-9278**, or E-mail at deq-ead-env-assist@michigan.gov. Workshop Information Contact: **Laura Rauwerda**, Environmental Science and Services Division, **616-356-0034**, or E-mail at rauwerdl@michigan.gov.

*If you are interested in participating in the development of any Environmental Science and Services Division event, please call **Mary Goodhall** at **517-241-7968** or E-mail at goodhalm@michigan.gov.*